

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for compressing a data set an Extensible Markup Language (XML) document to be transmitted from a first application in a first communications network to a second application in a second communications network, said data set XML document having a markup hierarchy and comprising data parts having a first binary size, said data set XML document being arranged according to a definition part, said XML document comprising a first part defining markup hierarchies and a second part comprising markup text, the method comprising the steps of:

generating a set of codes as a compression key defining said data parts defined in said definition part with codes having second binary size less than said first binary size, wherein each generated code relates to a markup name,

said generated codes comprising short codes for said markup hierarchies defined in the first part to be used to replace the markup texts in the second part,

assigning at least said markup hierarchy with said set of generated codes, replacing said data parts in form of said markup names-texts in said data set by said assigned codes, and

producing to produce a compressed data set XML document.

2. (previously presented) The method according to claim 1, wherein said markup hierarchy refers to a reference comprising a second markup hierarchy, which are resolved and assigned with codes.

3. (original) The method according to claim 1, wherein each code is unique.

4. (currently amended) The method according to claim 1, wherein each code replacing a markup hierarchy in said data-set XML document is assigned a value pointed out by said markup hierarchy.

5. (currently amended) The method according to claim 1, wherein a code replacing a markup hierarchy in said data-set XML document is assigned a value comprised by a reference pointed out by said markup hierarchy.

6. (currently amended) The method according to claim 4, wherein a value pointed out by a markup hierarchy in said data-set XML document is one of a limited set of values defined in said data-set XML document, where each value is assigned a code that replaces said value in said data-set XML document.

7. (currently amended) The method according to claim 4, wherein a value pointed out by a markup hierarchy in said data-set XML document is a number and replaced by a numerical representation.

8-19. Canceled.

20. (currently amended) A program storage device readable by a machine and encoding a program for compressing ~~a data set an Extensible Markup Language (XML) -document~~ having a markup hierarchy and comprising data parts having first binary size, said ~~data set XML document~~ being arranged according to a definition part, said program comprising:

an instruction set for ~~generating short codes, having a first binary size, for said markup hierarchies defined in a first part of the XML document and said codes being used to replace the markup texts, having a second binary size, in a second part of the XML document,~~

assigning at least said markup hierarchy defining said data parts in form of mark-up ~~namestext~~, defined in said definition part with codes having ~~a said~~ second binary size less than said first binary size, and

an instruction set for replacing said data parts in said data set by said assigned codes and producing a compressed ~~data set XML document~~.

21-24. Canceled

25. (currently amended) A communication system comprising:

a first computer controlling a second computer communicating through communications network, said first unit sending ~~a data set having a markup hierarchy and comprising data parts having a first binary size, said data set being arranged according to a definition part an Extensible Markup Language (XML) document comprising a first part defining markup hierarchies and a second part comprising markup text,~~

a compressing unit, and

a decompressing unit,

wherein said compressing unit is arranged to:

- generate a set of codes as a compression key defining said data parts defined in said definition part with codes having second binary size less than said first binary size, wherein

each code relates to a markup name, said generated codes comprising short codes for said markup hierarchies defined in the first part to be used to replace the markup texts in the second part,

- assign at least said markup hierarchy with said set of codes,
- replace said data parts in a form of said markup names in said data set by said

assigned codes to produce a compressed XML document, and

produce a compressed data set.

26. (previously presented) The system of claim 25, wherein said first unit is included in any of a mobile station, a mobile phone, a palm size computer, or a computer.

27. (previously presented) The system of claim 25, wherein said first computer is a remote control or monitoring device.

28. (previously presented) The system of claim 25, wherein second computer is a remotely controlled arrangement including a remotely controlled robot, a vehicle, or a missile.